FIG. 1

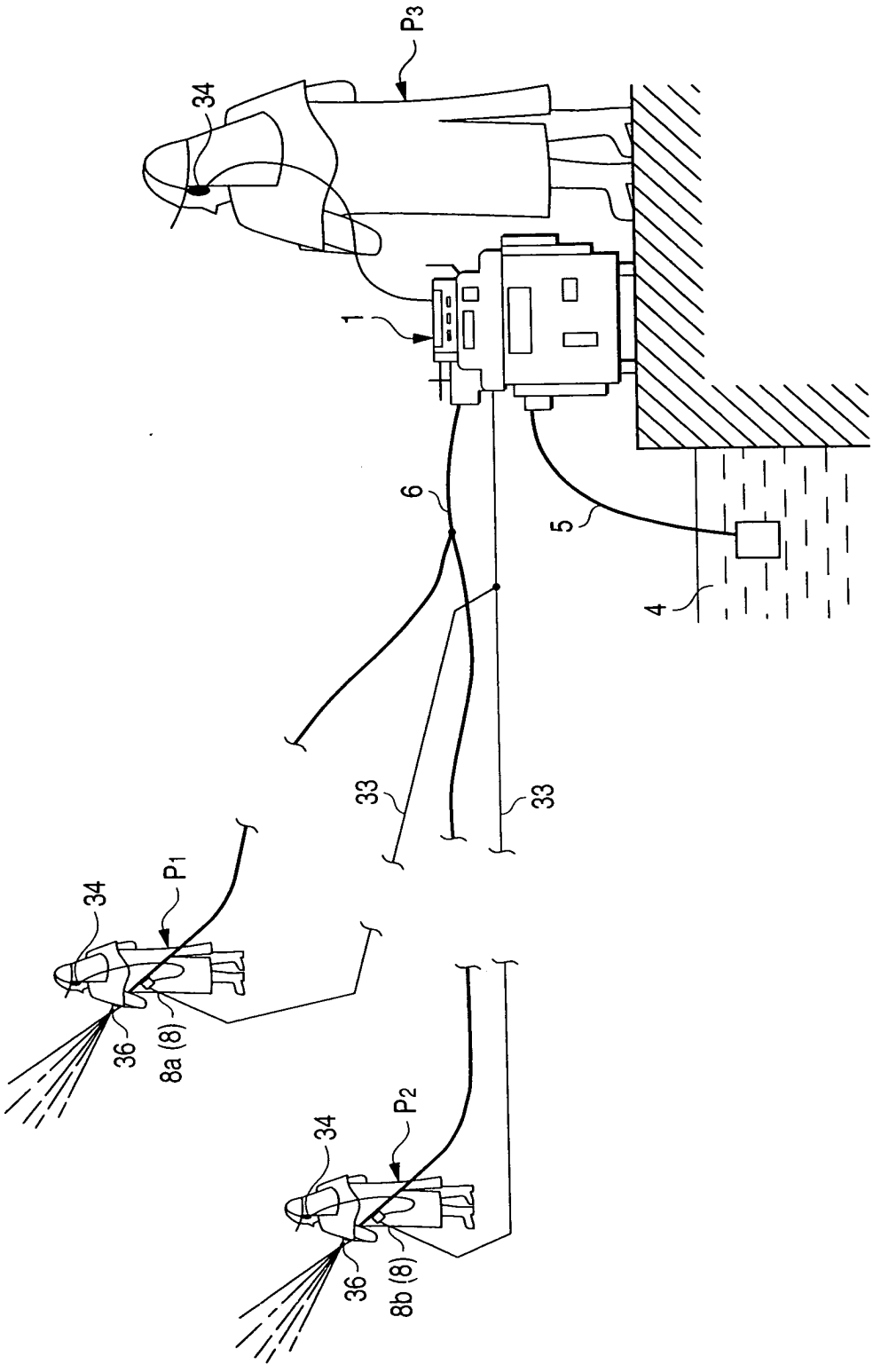


FIG. 2

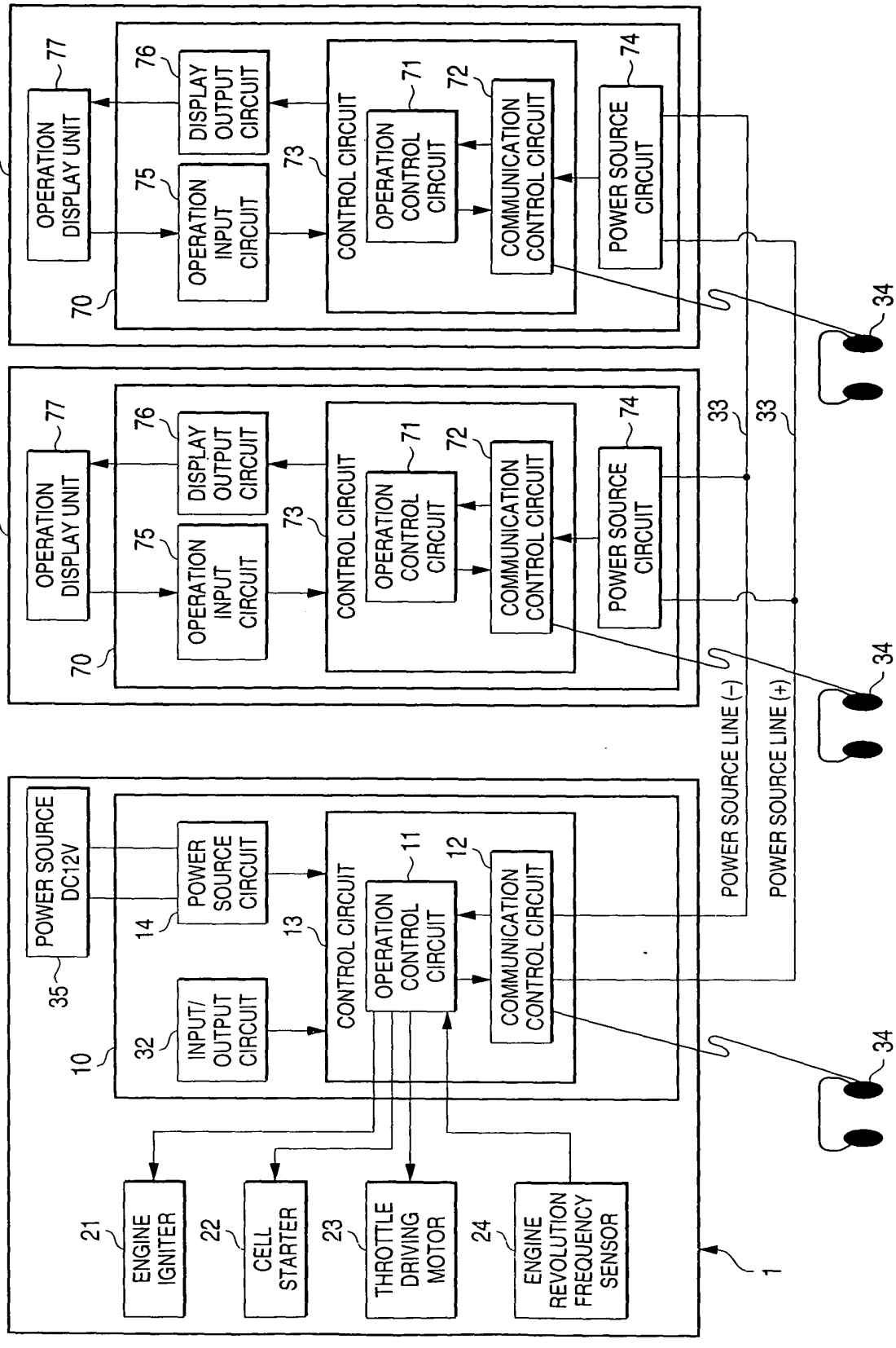

8b (8)
8a (8)
OPERATION DISPLAY UNIT
77
OPERATION INPUT CIRCUIT
75
DISPLAY OUTPUT CIRCUIT
76
CONTROL CIRCUIT
73
OPERATION CONTROL CIRCUIT
71
COMMUNICATION CONTROL CIRCUIT
72
POWER SOURCE CIRCUIT
74
70
POWER SOURCE DC12V
35
POWER SOURCE CIRCUIT
14
INPUT/ OUTPUT CIRCUIT
32
10
11
12
13
ENGINE IGNITER
21
CELL STARTER
22
THROTTLE DRIVING MOTOR
23
ENGINE REVOLUTION FREQUENCY SENSOR
24
1
33
34
POWER SOURCE LINE (−)
POWER SOURCE LINE (+)

FIG. 3

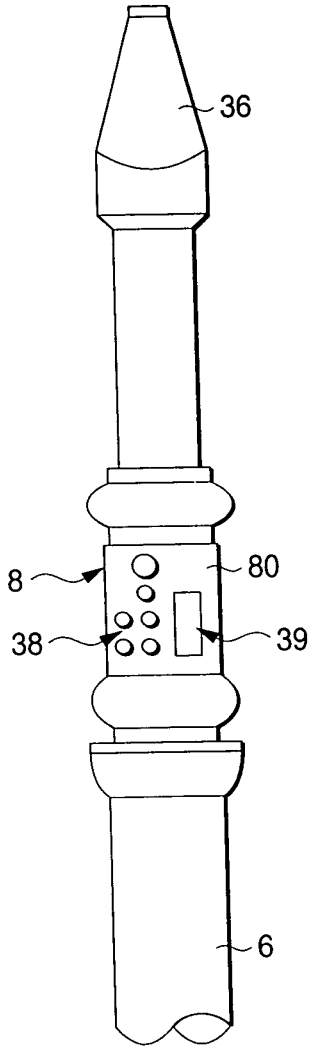


FIG. 4

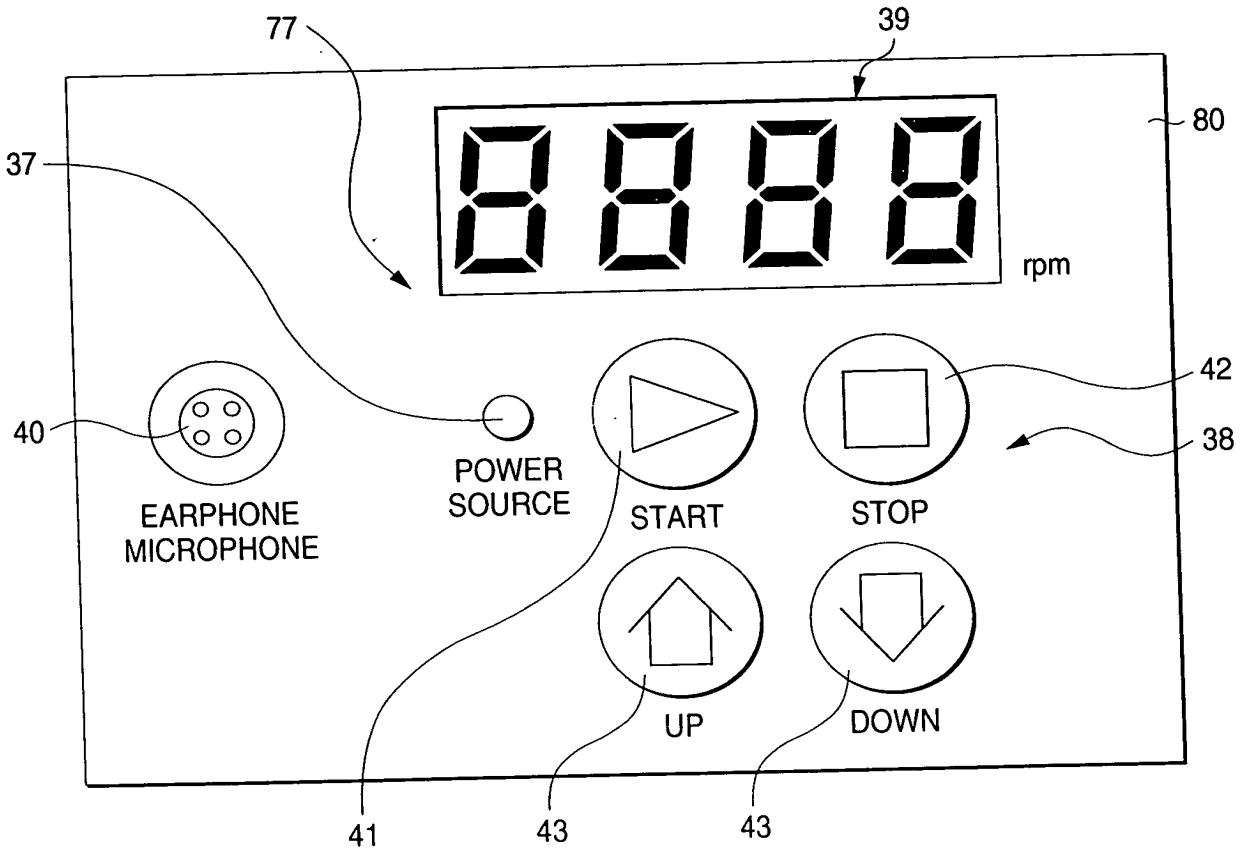

77
39
80
37
8888
rpm
42
40
38
POWER
SOURCE
START
STOP
EARPHONE
MICROPHONE
UP
DOWN
41
43
43

FIG. 5

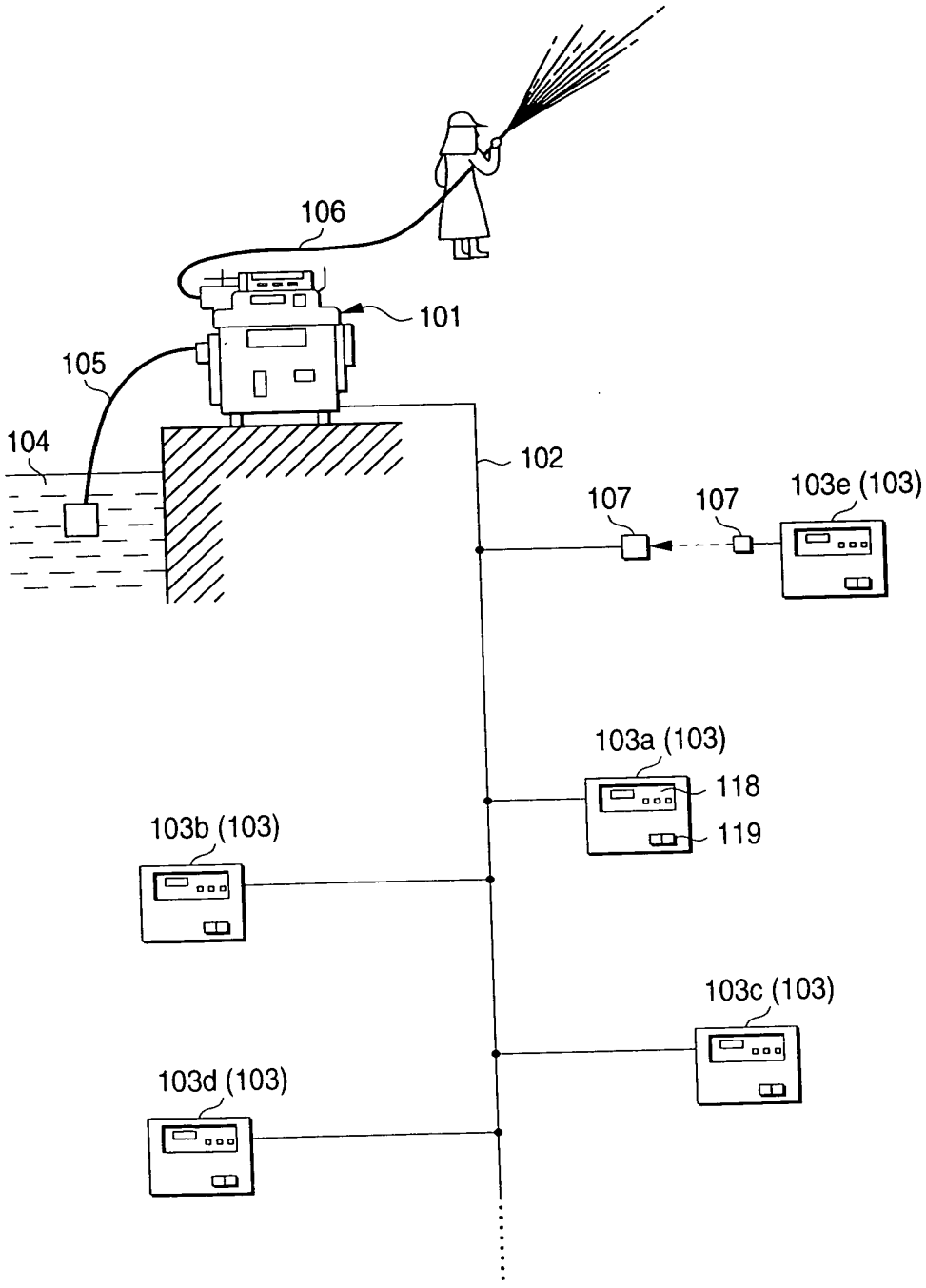
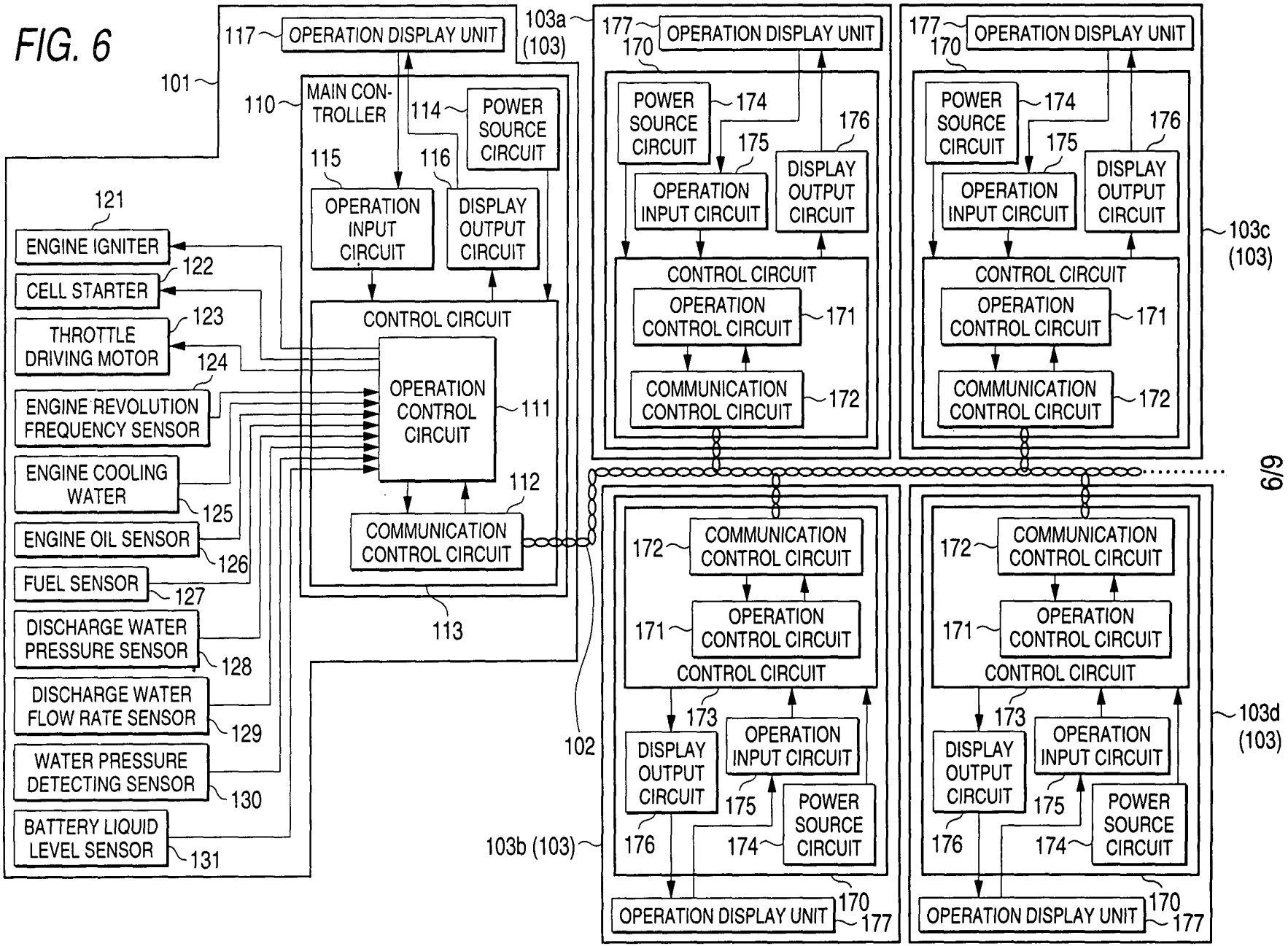

106
101
105
104
102
107
107
103e (103)
103a (103)
118
119
103b (103)
103c (103)
103d (103)

FIG. 6


101
117
OPERATION DISPLAY UNIT
103a (103)
110
MAIN CONTROLLER
114
POWER SOURCE CIRCUIT
115
116
OPERATION INPUT CIRCUIT
DISPLAY OUTPUT CIRCUIT
121
ENGINE IGNITER
122
CELL STARTER
123
THROTTLE DRIVING MOTOR
124
ENGINE REVOLUTION FREQUENCY SENSOR
ENGINE COOLING WATER
125
ENGINE OIL SENSOR
126
FUEL SENSOR
127
DISCHARGE WATER PRESSURE SENSOR
128
DISCHARGE WATER FLOW RATE SENSOR
129
WATER PRESSURE DETECTING SENSOR
130
BATTERY LIQUID LEVEL SENSOR
131
CONTROL CIRCUIT
OPERATION CONTROL CIRCUIT
111
COMMUNICATION CONTROL CIRCUIT
112
113
102
177
170
OPERATION DISPLAY UNIT
POWER SOURCE CIRCUIT
174
175
176
OPERATION INPUT CIRCUIT
DISPLAY OUTPUT CIRCUIT
CONTROL CIRCUIT
OPERATION CONTROL CIRCUIT
171
COMMUNICATION CONTROL CIRCUIT
172
103c (103)
103d (103)
103b (103)
173

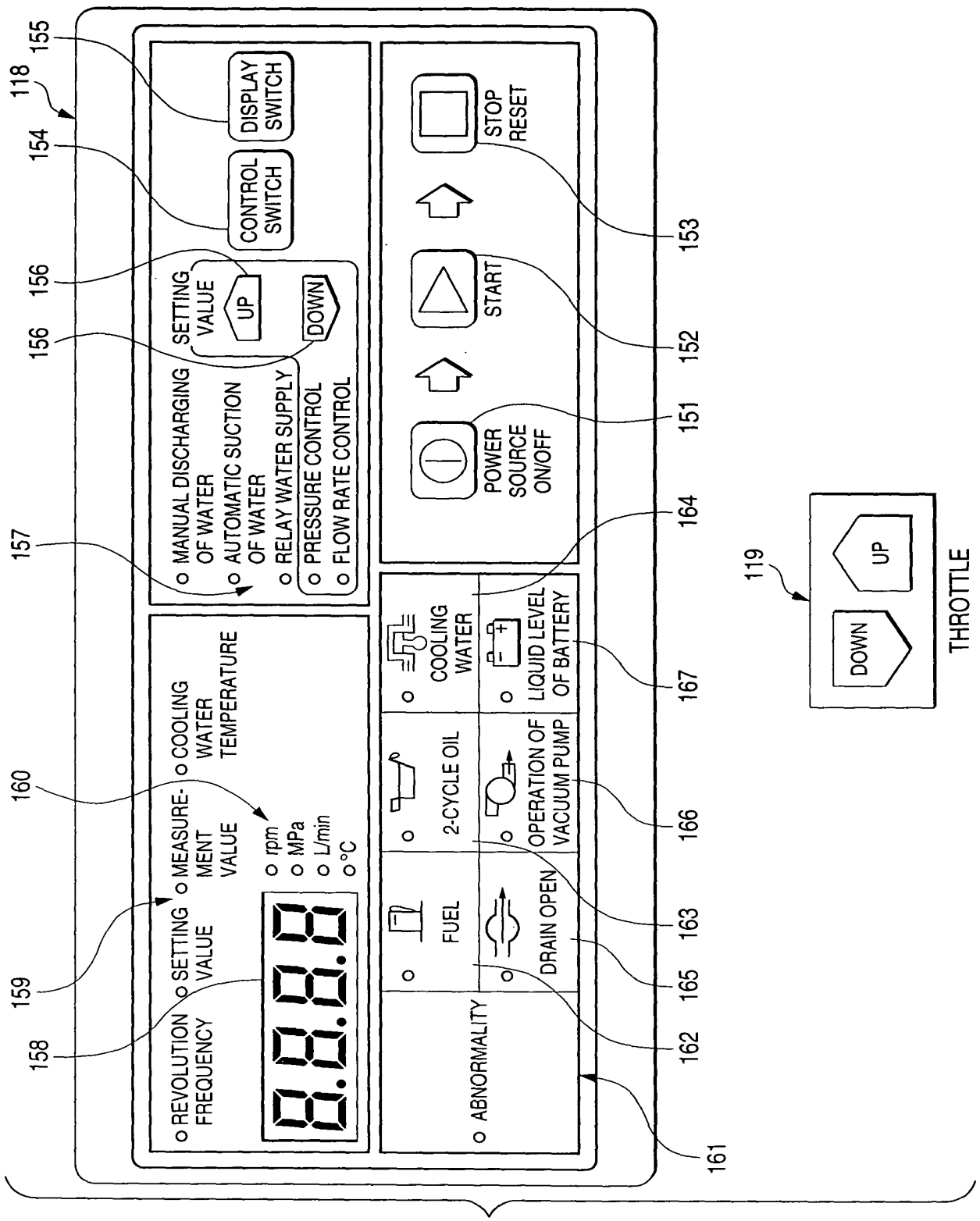

118
155
154
156
156
157
158
159
160
161
162
163
164
165
166
167
153
152
151
119
DISPLAY SWITCH
CONTROL SWITCH
SETTING VALUE
UP
DOWN
MANUAL DISCHARGING OF WATER
AUTOMATIC SUCTION OF WATER
RELAY WATER SUPPLY
PRESSURE CONTROL
FLOW RATE CONTROL
STOP RESET
START
POWER SOURCE ON/OFF
REVOLUTION FREQUENCY
SETTING VALUE
MEASURE-MENT VALUE
COOLING WATER TEMPERATURE
rpm
MPa
L/min
°C
8.8.8.8
ABNORMALITY
FUEL
DRAIN OPEN
2-CYCLE OIL
OPERATION OF VACUUM PUMP
COOLING WATER
LIQUID LEVEL OF BATTERY
DOWN
UP
THROTTLE

FIG. 7

FIG. 8

ERROR CODE	ABNORMALITY INFORMATION
Err. 1	ABNORMALITY OF DISCHARGE WATER PRESSURE SENSOR
Err. 2	ABNORMALITY OF FLOW RATE SENSOR
Err. 3	ABNORMALITY OF SUCTION WATER PRESSURE SENSOR
Err. 4	ABNORMALITY OF START-UP
Err. 5	ABNORMALITY OF SUCTION/DISCHARGE WATER
Err. 6	ABNORMALITY OF ENGINE STOP
Err. 7	OTHER ABNORMALITY

FIG. 9

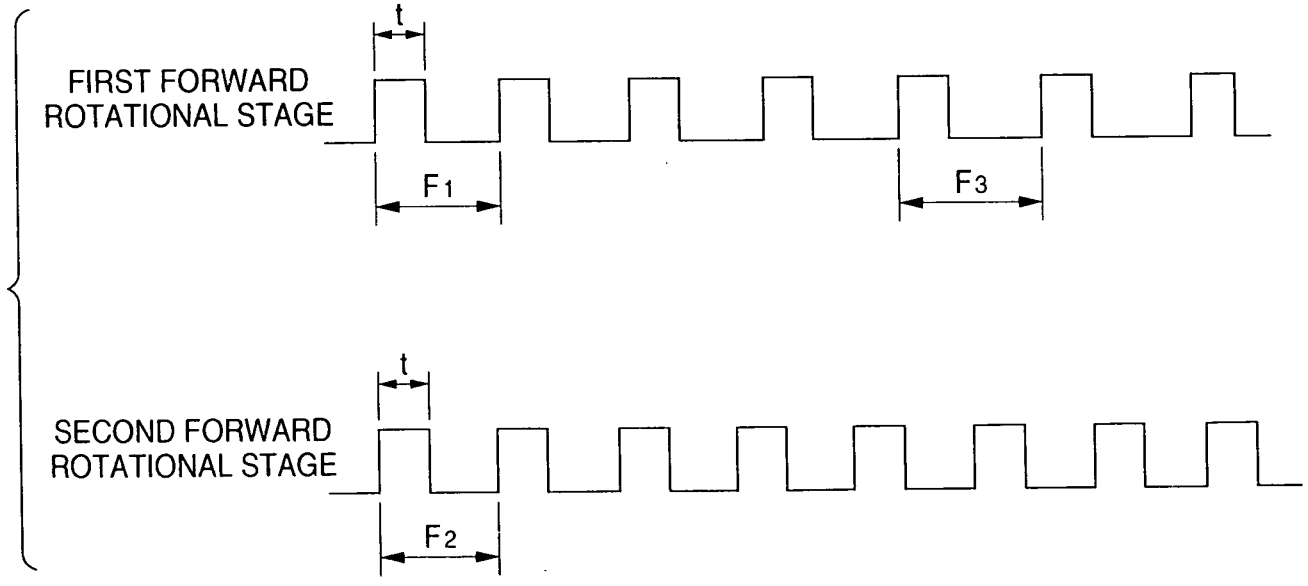
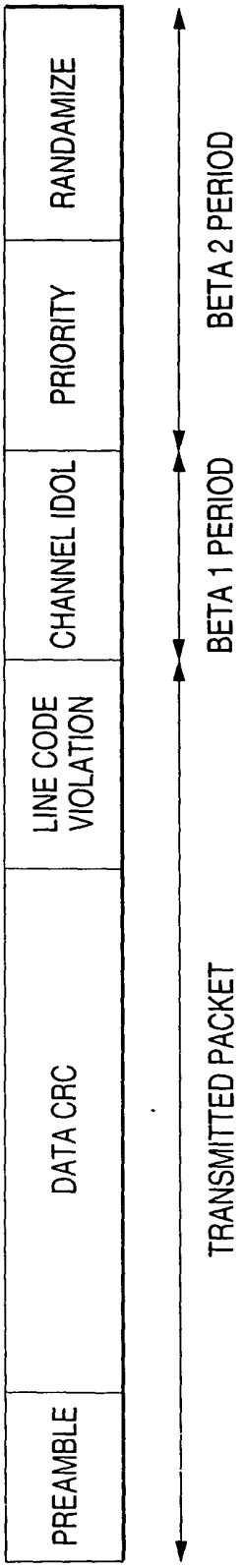


FIG. 10


PREAMBLE
DATA CRC
LINE CODE VIOLATION
CHANNEL IDOL
PRIORITY
RANDAMIZE
TRANSMITTED PACKET
BETA 1 PERIOD
BETA 2 PERIOD